



3763#

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Patent Application of:

Applicant: P.J. Crocker

Serial No.: 10/049,890

Filed: 13 February 2002

) Art Unit: 3763

) Examiner: R. Ghafoorian

) Docket No.: IPL-2-PCT

) I hereby certify that this
) correspondence is being deposited with
) the United States Postal Service as
) first class mail in an envelope
) addressed to: Assistant Commissioner
) for Patents, Washington, D.C. 20231
) on 23 JANUARY 2003

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

) R.B. SHERER
) R.B. Sherer
) 23 Jan. 03

Sir:

Pursuant to 37 CFR \$1.56, \$1.97 and \$1.98 in relation to the subject new application, enclosed is Form PTO-FB-A820 listing 94 references, together with a copy of each of these references.

All references are in English or translations are provided.

None of these references anticipate the subject matter claimed in the subject application. However, it is requested that they be made of record as having been considered in the prosecution of the subject application.

01/28/2003 TBESHAH1 00000041 500765 10049890

01 FC:1806 180.00 CH

Respectfully submitted,

Ronald B. Sherer
Ronald B. Sherer
Counsel for Applicant
Registration no. 19,977

Bartlett & Sherer
103 South Shaffer Drive
New Freedom, PA 17349
Telephone: (717)227-1197

RECEIVED

JAN 30 2003

TECHNOLOGY CENTER R3700

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

IPL-2-PCT

In Re Application Of:

P.J. CROCKER

Serial No.

10/049,890

Filing Date

13 FEB. 2002

Examiner

R. GHAFORIAN

Group Art Unit

3763

Title:

INJECTION MEANS



Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. *50-0765* as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of *\$ 180.00*
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____)

on _____
(Date)

Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I certify that this document and fee is being deposited on *23 JAN. 03* with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

R.B. Sherer
Signature of Person Mailing Correspondence

R.B. SHERER
Typed or Printed Name of Person Mailing Correspondence

*This certificate may only be used if paying by deposit account.

Ronald B. Sherer
Signature

Dated: *23 January 2003*

RECEIVED

JAN 30 2003

TECHNOLOGY CENTER R3700

CC:



INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

(Sheet Number (Optional))

IP1-2-PCT 10/049,896

Applicant(s)

P. J. CROCKER

Filing Date

2/13/2002

Group Art Unit

3763

PTO

U.S. PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,447,232	5/84	SEALFON ET AL	604	134	
	4,634,431	1/87	WHITNEY ET AL	604	155	
	5,454,922	10/95	JOSHI ET AL	204	265	
	5,807,275	9/98	JAMSHIDI	600	567	
	4,842,587	6/89	PONCY	604	198	
	5,443,492	8/95	STOKES ET AL	607	131	
	5,061,250	10/91	SHIELDS	604	198	
	4,931,059	6/90	MARKHAM	606	185	
	4,193,400	3/80	LOVELESS ET AL	128	214.4	
	4,710,180	12/87	JOHNSON	604	239	
	3,840,008	10/74	NOILES	128	221	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Foundation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RECEIVED

JAN 30 2003

TECHNOLOGY CENTER R3700

INER

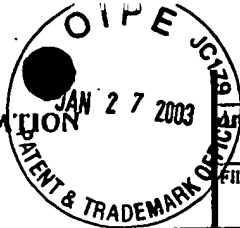
DATE CONSIDERED

NOTE: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

119

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



IPL-2-PC 10/049,890

Applicant(s)

P. J. PROCKIE

Filing Date

2/13/2002

Group Art Unit

3763

U.S. PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,957,051	5/76	TOPHAM	128	278	
	6,065,371	5/00	YACOWITZ	81	9.22	
	6,030,404	2/00	LAWSON	606	186	
	5,860,957	1/99	JACOBSEN ET AL	604	156	
	5,848,991	12/98	GROSS ET AL	604	140	
	5,451,210	9/95	KRAMER ET AL	604	137	
	5,911,703	6/99	SLATE ET AL	604	68	
	6,068,855	5/00	LESLIE ET AL	424	462	
	4,968,302	11/90	SCHLUTER ET AL	604	135	
	4,351,335	9/82	WHITNEY ET AL	128	218	
	4,781,689	11/88	SEALFON ET AL	604	134	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RECEIVED

JAN 30 2003

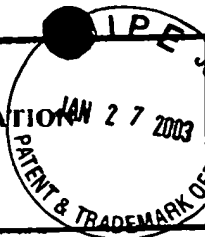
TECHNOLOGY CENTER 3700

NER

DATE CONSIDERED

NOTE: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



Socket Number (Optional)

IP1-2-PCT

Application Number

10/042,890

Applicant(s)

P. J. CROCKER

Filing Date

2/13/2002

Group Art Unit

3763

U.S. PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,697,901	12/97	ERIKSSON	604	46	
	4,583,060	4/86	BAILEY	128	316	
	4,508,106	4/85	ANGRES	128	1	
	5,054,339	10/91	YACOWITZ	81	9.22	
	5,401,242	3/95	YACOWITZ	604	48	
	4,914,988	4/90	CHANG	81	9.22	
	4,671,277	6/87	BEUCHAT	128	316	
	5,472,449	12/95	CHOU	606	186	
	4,392,493	7/83	NIEMEIJER	128	316	
	4,214,490	7/80	CHIZEK	81	9.22	
	4,719,825	1/88	LAHAYE ET AL	81	9.22	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RECEIVED

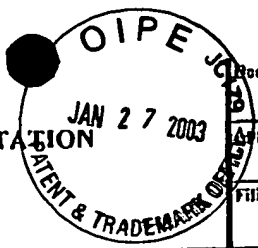
JAN 30 2003

TECHNOLOGY CENTER R3700

FR	DATE CONSIDERED
----	-----------------

ENC: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and erred. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



Packet Number (Optional)

IPL-2-PCT

Application Number

10/049,890

Applicant(s)

P. J. CROCKER

Filing Date

2/13/2002

Group Art Unit

3763

U.S. PATENT DOCUMENTS

INER IAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,413,993	11/83	GUTTMAN	604	274	
		2,634,726	4/53	HANSON	128	221	
		2,862,495	5/55	GEWECKE	128	221	
		3,181,336	5/65	SCHOFIELD	72	340	
		4,383,530	5/83	BRUNO	604	274	
		5,515,871	5/96	BITNER ET AL	128	898	
		4,838,877	6/89	MASSAU	604	272	
		4,411,657	10/83	GALINDO	604	274	
		5,848,996	12/98	ELDOR	604	272	
		5,868,721	2/99	MARINACCI ET AL	604	272	
		4,721,475	5/90	SIBALIS	604	20	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MINER	DATE CONSIDERED
-------	-----------------

MINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



Docket Number (Optional)

IPL-2-PCT

Application Number

10/049,890

Applicant(s)

P. J. CROCKER

Filing Date

2/13/2002

Group Art Unit

3763

U.S. PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<u>5,225,750</u>	<u>7/93</u>	<u>HIGUCHI ET AL</u>	<u>318</u>	<u>280</u>	
	<u>5,262,128</u>	<u>11/93</u>	<u>LEIGHTON ET AL</u>	<u>422</u>	<u>100</u>	
	<u>5,364,374</u>	<u>11/94</u>	<u>MORRISON ET AL</u>	<u>604</u>	<u>272</u>	
	<u>4,204,438</u>	<u>5/80</u>	<u>BINARIS ET AL</u>	<u>81</u>	<u>9.22</u>	
	<u>5,279,552</u>	<u>1/94</u>	<u>MAGNET</u>	<u>604</u>	<u>47</u>	
	<u>5,271,744</u>	<u>12/93</u>	<u>KRAMER ET AL</u>	<u>604</u>	<u>51</u>	
	<u>5,681,283</u>	<u>10/97</u>	<u>BROWNFIELD.</u>	<u>604</u>	<u>136</u>	
	<u>5,564,436</u>	<u>10/96</u>	<u>HAKKY ET AL</u>	<u>128</u>	<u>754</u>	
	<u>5,060,658</u>	<u>10/91</u>	<u>DEJTER ET AL</u>	<u>128</u>	<u>753</u>	
	<u>5,580,859</u>	<u>12/96</u>	<u>FELGNER ET AL</u>	<u>514</u>	<u>44</u>	
	<u>4,188,949</u>	<u>2/80</u>	<u>ANTOSHKIW</u>	<u>128</u>	<u>218</u>	

FOREIGN PATENT DOCUMENTS

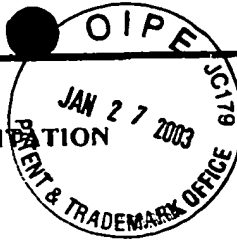
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NER

DATE CONSIDERED

NER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional) IPL-2-PCT	Application Number 10/049,890
Applicant(s) P. J. CROCKER	
Filing Date 2/13/2002	Group Art Unit 3763

U.S. PATENT DOCUMENTS

INNER FILE	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,318,584	6/74	LANGE ET AL	606	182	
		4,924,879	5/90	O'BRIEN	128	770	
		4,203,446	5/80	HOFERT ET AL	128	329	
		4,535,769	8/85	BURNS	128	314	
		4,257,561	3/81	Mc KINNEY	239	581	
		4,895,147	1/90	BODICKY ET AL	606	182	
		4,808,170	2/89	THORNTON ET AL	604	274	
		5,752,942	5/98	DOYLE ET AL	604	274	
		4,537,593	8/85	ALCHAS	604	411	
		5,716,348	2/98	MARINACCI ET AL	604	272	
		4,889,529	12/89	HAINDL	604	274	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AMINER	DATE CONSIDERED
--------	-----------------

AMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

JAN 27 2003

Patent Number (Optional)

IPL-2-PCT

Applying Number

10/049,890

Applicant(s)

P.J. CROCKER

Filing Date

2/13/2002

Group Art Unit

3763

U.S. PATENT DOCUMENTS

ITEM L.	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,964,482	6/76	GERSTEL ET AL	128	260	
		6,057,090	5/00	MIKOSHIBA ET AL	430	607	
		5,250,067	10/93	GELFFER ET AL	606	189	
		5,279,552	1/94	MAGNET	604	47	
		5,244,120	9/93	O'MEARA	222	94	
		4,990,135	2/91	TRUISDALE	604	47	
		4,862,772	10/89	PIPERATO	81	9.22	
		4,771,660	10/88	YACOWITZ	81	9.22	
		4,666,438	5/87	RAULERSON	604	272	
		4,592,744	6/86	JAGGER ET AL	604	192	
		4,286,599	9/81	HAHN ET AL	128	316	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JAN 30 2003

TECHNOLOGY CENTER R3700

INNER

DATE CONSIDERED

NOTE: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



Docket Number (Optional)

IPL-2-PCT

Application Number

10/049,890

Applicant(s)

P. J. CROCKER

Filing Date

2/13/2002

Group Art Unit

3763

U.S. PATENT DOCUMENTS

REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,790,830	12/88	HAMACHER	604	274	
	4,699,692	10/87	ALLTIO	162	199	
	4,665,912	5/87	BURTON	128	303	
	5,076,282	12/91	FISHMAN ET AL	128	743	
	5,496,304	3/96	CHASAN	606	1	
	5,611,806	3/97	JANG	606	167	
	3,788,315	1/74	LAURENS	128	173	
	4,031,892	6/77	HURSCHMAN	128	218	
	4,437,361	3/84	STECKEL ET AL	81	9.22	

FOREIGN PATENT DOCUMENTS

REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	WO 92/20388	11/92	P. C. T.	A61M	5/20		
	058,536	4/86	E. P. O.	A61M	5/315		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		<p>RECEIVED</p> <p>JAN 30 2003</p> <p>TECHNOLOGY CENTER R3700</p>
--	--	---------------------------------------------------------------------------------

WINDER

DATE CONSIDERED

WINDER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

819

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



Docket Number (Optional) IP2-2-PCT	Application Number 10/049,890
Applicant(s) P. J. CROCKER	
Filing Date 2/13/2002	Group Art Unit 3763

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	WO 95/29720	11/95	PCT	A61M	5/20		
	328,609	4/58	SWISS	116K			
	1,215,970	4/60	FRENCH	A61M	A61M	X	
	DE 3,405,671	8/85	GERMAN	A61M	5/30	X	
	WO 00/09184	2/2000	PCT	A61M	5/20		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RECEIVED

JAN 30 2003

TECHNOLOGY CENTER B3700

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.